

2005 Outfall 001 Effluent Chemistry Data
Shell Distribution Terminal
Seattle, Washington

Month	Date Sampled	Date Sampled		Monthly Estimated Flow (gallons)				pH	TSS (ppm)	Oil & Grease (ppm)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)	BTEX (ppb)	TPH-G (ppb)	Zinc (ppb)	Lead (ppb)	Copper (ppb)
		Estimated Flow (gal)	Type	Load Rack	Stormwater	Groundwater	Total												
January-05	January 17, 2005	169,781	Stormwater, process water	21,119	530,334	0	551,453	7.02	< 4.0	< 5.0	< 0.5	0.683	< 0.5	1.20	1.883	< 50	214	< 50	< 10
February-05	February 4, 2005	1,444	Stormwater, process water	5,375	53,764	0	59,139	7.05	< 4.0	< 5.0	< 0.5	1.70	< 0.5	< 1.0	1.70	< 50	179	< 50	< 10
March-05	March 2, 2005	13,822	Stormwater, process water	7,489	255,328	50	262,867	7.17	7.5	< 6.3	< 0.5	< 0.5	< 0.5	< 1.0	0	< 50	168	< 50	< 10
April-05	April 7, 2005 ^a	7,142	Stormwater, process water	17,031	212,425	0	229,456	6.88	< 4.0	< 5.0	0.583	< 0.5	< 0.5	12.4	13.0	57.8	202	< 50	< 10
May-05	May 10, 2005	66,061	Stormwater, process water	14,304	159,243	0	173,547	7.14	8.0	< 5.0	< 0.5	< 0.5	< 0.5	< 1.0	0	< 50	291	< 50	< 10
June-05	June 8, 2005	1,182	Stormwater, process water	10,197	95,316	50	105,563	7.02	5.5	< 5.7	< 0.5	1.00	< 0.5	< 1.0	1.00	< 50	157	< 50	< 10
July-05	July 6, 2005	13,946	Stormwater, process water	5,820	39,119	0	44,939	7.05	6.0	< 5.0	< 0.5	< 0.5	< 0.5	< 1.0	0	< 50	239	< 50	< 10
August-05	August 17, 2005	205	Stormwater, process water	4,894	60	0	4,954	6.95	18	< 5.0	< 0.5	0.966	1.44	8.92	11.3	< 50	36	< 50	< 10
September-05	September 9, 2005	1,433	Stormwater, process water	4,477	33,554	50	38,081	7.09	6.5	< 5.0	< 0.5	1.07	< 0.5	< 1.0	1.07	< 50	97	< 50	< 10
October 2005	No flow during October due to oil/water separator construction			0	0	0	0		Not sampled, no flow due to oil/water separator construction										
November-05	November 1, 2005	38,000	Stormwater, process water	14,210	498,698	0	512,908		30	< 5.9	74.2	112	1.83	55.2	243	495	160	< 50	13.5
	November 7, 2005	27,000	Stormwater, process water	–	–	–	–	–	–	–	0.612	< 0.5	< 0.5	< 1.0	0.61	–	–	–	–
December-05	December 13, 2005	646	Stormwater, process water	20,562	719,454	50	740,066	7.48	< 4.0	< 5.3	< 0.5	< 0.5	< 0.5	< 1.0	0	< 50	71	< 50	< 10
	December 20, 2005	646	Stormwater, process water	–	–	–	–	7.29	–	–	–	–	–	–	–	–	99	–	–
Annual Totals:				125,478	2,597,295	200	2,722,973												
Notes: ^a Sample collected April 7, 2005, also analyzed for VOCs, SVOCs, PCBs, metals, and total cyanide by EPA Methods 624, 625, 608, 200, and 335.2, respectively. No constituents were detected in the additional analyses but those shown in this table. All samples analyzed by North Creek Analytical, Bothell, Washington.																			

Categories of Interest in WGR's TRI report
Total 2005 Discharge at Outfall 001

Stormwater =	2,597,295
Process water =	125,478
Groundwater =	200
Total =	2,722,973

**2005 Outfall 002 Effluent Chemistry Data
Shell Distribution Terminal
Seattle, Washington**

Month	Date Sampled	Estimated Flow On Day Sampled (gal)	Flow Type	Monthly Stormwater Flow (gallons)	pH	Oil & Grease (ppm)
January-05	January 17, 2005	65,004	Stormwater	204,026	6.90	< 5.0
February-05	February 4, 2005	503	Stormwater	21,335	7.55	< 5.0
March-05	March 2, 2005	5,411	Stormwater	100,259	7.64	< 5.0
April-05	April 7, 2005	2,577	Stormwater	84,209	6.59	< 5.0
May-06	May 9, 2006	25,801	Stormwater	63,121	7.15	< 5.0
June-05	June 8, 2005	335	Stormwater	37,935	7.24	< 5.0
July-05	July 6, 2005	5,411	Stormwater	15,589	7.14	< 5.0
August-05	August 17, 2005	24	Stormwater	24	7.12	< 5.0
September-05	September 10, 2005	503	Stormwater	1,416	7.08	< 5.0
October-05	October 13, 2005	197	Stormwater	62,758	6.92	< 5.0
November-05	November 1, 2005	28,277	Stormwater	164,501	6.73	< 5.5
December-05	December 13, 2005	24	Stormwater	281,573	7.02	< 5.4
Total Annual Flow:				1,036,746		
Note: All samples analyzed by North Creek Analytical, Bothell, Washington.						